# Refine Search

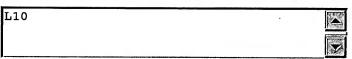
#### Search Results -

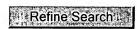
Terms	Documents
L9 and 562/\$	22

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:











# **Search History**

DATE: Thursday, October 06, 2005 Printable Copy Create Case

Set Name side by side		Hit Count	Set Name result set
$DB=U_{i}$	SPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
<u>L10</u>	L9 and 562/\$	22	<u>L10</u>
<u>L9</u>	L8 and hydrogen	37	<u>L9</u>
<u>L8</u>	L6 and separ\$6 and catalyst and oxi\$7	43	<u>L8</u>
<u>L7</u>	L6 and 560/\$	6	<u>L7</u>
<u>L6</u>	L5 and (carboxybenzaldehdye or trimellitic acid or fluorenenone)	60	<u>L6</u>
<u>L5</u>	L4 and impurit\$5	341	<u>L5</u>
<u>L4</u>	L3 and (filter or centrifuge)	970	<u>L4</u>
<u>L3</u>	terephthalic acid and slurry and b and color	2014	<u>L3</u>
<u>L2</u>	TEREPTHALIC ACID AND SLURRY AND B AND COLOR	. 14	<u>L2</u>
<u>L1</u>	TEREPTHALIC ACID AND SLURRY AND BAND COLOR	0	L1

**END OF SEARCH HISTORY** 

## **Hit List**

Clear: Generate Collection Print Fwd Refs Blood Refs Cenerate OACS

Search Results - Record(s) 1 through 10 of 22 returned.

☐ 1. Document ID: US 6765113 B2

Using default format because multiple data bases are involved.

L10: Entry 1 of 22

File: USPT

Jul 20, 2004

US-PAT-NO: 6765113

DOCUMENT-IDENTIFIER: US 6765113 B2

TITLE: Production of aromatic carboxylic acids

DATE-ISSUED: July 20, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Graham; Derek Alexander Cleveland Hamley; Paul Anthony Nottingham GB Oliver; Raymond Stockton on Tees GB Poliakoff; Martyn Nottingham GB Woodcock; Duncan Cheshire GB Ilkenhans; Thomas Cambridge GB

US-CL-CURRENT: <u>562/413</u>; <u>562/407</u>, <u>562/408</u>, <u>562/409</u>, <u>562/412</u>, <u>562/414</u>, <u>562/415</u>,  $\underline{562}/\underline{421}$ ,  $\underline{562}/\underline{480}$ ,  $\underline{562}/\underline{485}$ ,  $\underline{562}/\underline{486}$ ,  $\underline{562}/\underline{487}$ 

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De

☐ 2. Document ID: US 6448436 B1

L10: Entry 2 of 22

File: USPT

Sep 10, 2002

US-PAT-NO: 6448436

DOCUMENT-IDENTIFIER: US 6448436 B1

TITLE: Integrated process for the production of 2, 6-naphthalene dicarboxylic acid

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De

☐ 3. Document ID: US 6392091 B1

L10: Entry 3 of 22

File: USPT

May 21, 2002

Record List Display Page 2 of 4

US-PAT-NO: 6392091

DOCUMENT-IDENTIFIER: US 6392091 B1

TITLE: Process of purifying and producing high purity aromatic polycarboxylic acids

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw. De

☐ 4. Document ID: US 6307099 B1

L10: Entry 4 of 22

File: USPT

Oct 23, 2001

US-PAT-NO: 6307099

DOCUMENT-IDENTIFIER: US 6307099, B1

TITLE: Production of terephthalic acid

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. De

□ 5. Document ID: US 6291707 B1

L10: Entry 5 of 22

File: USPT

Sep 18, 2001

US-PAT-NO: 6291707

DOCUMENT-IDENTIFIER: US 6291707 B1

TITLE: Process of purifying and producing high purity aromatic polycarboxylic acids

and derivatives thereof

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. De

☐ 6. Document ID: US 6255525 B1

L10: Entry 6 of 22

File: USPT

Jul 3, 2001

US-PAT-NO: 6255525

DOCUMENT-IDENTIFIER: US 6255525 B1

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Process for preparing purified carboxylic acids

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 7. Document ID: US 6194609 B1

L10: Entry 7 of 22

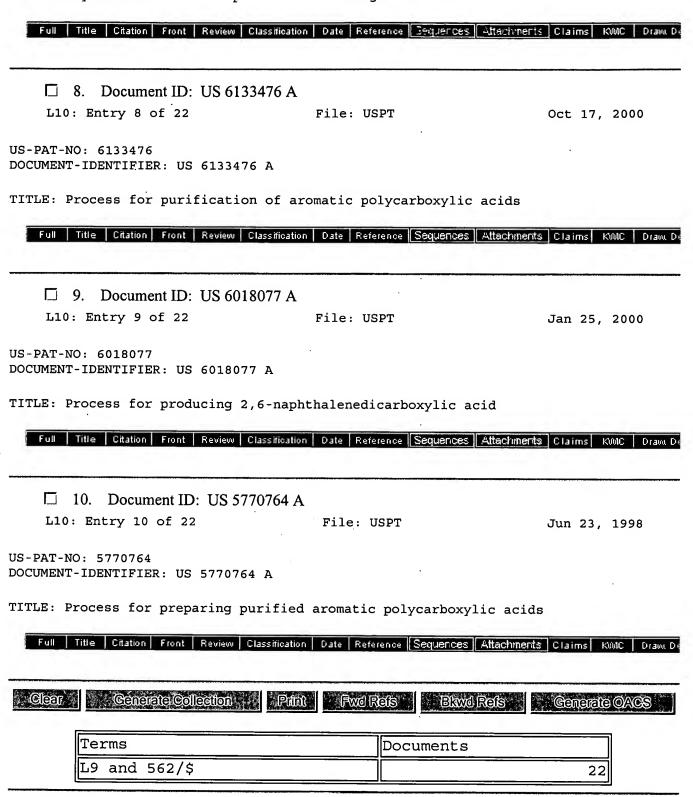
File: USPT

Feb 27, 2001

US-PAT-NO: 6194609

DOCUMENT-IDENTIFIER: US 6194609 B1

TITLE: Crystallization in a plate heat exchanger



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## **Hit List**

#### First Hit Clear Generate Collection Prim: Fwd Refs Bkwd Refs 3 Cenerate OACS

Search Results - Record(s) 11 through 20 of 22 returned.

☐ 11. Document ID: US 5756833 A

Using default format because multiple data bases are involved.

L10: Entry 11 of 22

File: USPT

May 26, 1998

US-PAT-NO: 5756833

DOCUMENT-IDENTIFIER: US 5756833 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Catalytic purification and recovery of dicarboxylic aromatic acids

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Rosen; Bruce I.

Morton Grove

IL

Bartos; Thomas M.

Naperville

IL

US-CL-CURRENT: <u>562/486</u>; <u>562/412</u>, <u>562/485</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw, De
	12.	Docum	ent ID	): US 5	728870 A							

File: USPT

US-PAT-NO: 5728870

DOCUMENT-IDENTIFIER: US 5728870 A

L10: Entry 12 of 22

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC	Draw, Dr	KWIC E	Claims	Attachments	Sequences	Reference	Date	Classification	Review	Front	Citation	Title	Full

☐ 13. Document ID: US 5629446 A

L10: Entry 13 of 22

File: USPT

May 13, 1997

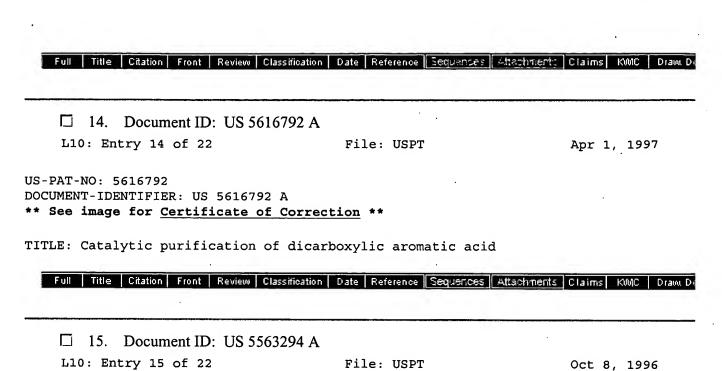
Mar 17, 1998

US-PAT-NO: 5629446

DOCUMENT-IDENTIFIER: US 5629446 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

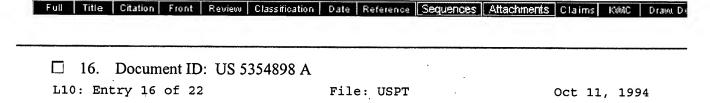


US-PAT-NO: 5563294

DOCUMENT-IDENTIFIER: US 5563294 A

\*\* See image for Certificate of Correction \*\*

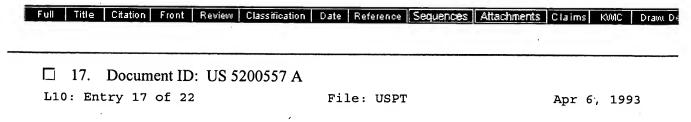
TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid



US-PAT-NO: 5354898

DOCUMENT-IDENTIFIER: US 5354898 A

TITLE: Method for purifying crude aromatic carboxylic acids



US-PAT-NO: 5200557

DOCUMENT-IDENTIFIER: US 5200557 A

TITLE: Process for preparation of crude <u>terephthalic acid</u> suitable for reduction to prepare purified <u>terephthalic acid</u>



☐ 18. Document ID: US 5112992 A L10: Entry 18 of 22 File: USPT May 12, 1992 US-PAT-NO: 5112992 DOCUMENT-IDENTIFIER: US 5112992 A TITLE: Production of polycarboxylic acids with hafnium-activated cobalt catalyst Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De ☐ 19. Document ID: US 5095135 A L10: Entry 19 of 22 File: USPT Mar 10, 1992 US-PAT-NO: 5095135 DOCUMENT-IDENTIFIER: US 5095135 A TITLE: Process for the preparation of high-purity naphthalenecarboxylic acid esters Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De ☐ 20. Document ID: US 4948921 A L10: Entry 20 of 22 File: USPT Aug 14, 1990 US-PAT-NO: 4948921 DOCUMENT-IDENTIFIER: US 4948921 A \*\* See image for Certificate of Correction \*\* TITLE: Process for the production and recovery of trimellitic acid Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De Clear Generate Collection Pritat Fwd Refs **Elawd Refs** Generate OACS Terms Documents L9 and 562/\$ 22

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## Hit List

#### First Hit Clear Centerate Collection Fwd.Reis Bkwd.Refs Point : Cenerate OACS

**Search Results** - Record(s) 21 through 22 of 22 returned.

☐ 21. Document ID: US 4755622 A

Using default format because multiple data bases are involved.

L10: Entry 21 of 22

File: USPT

Jul 5, 1988

US-PAT-NO: 4755622

DOCUMENT-IDENTIFIER: US 4755622 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for the production of trimellitic acid and pyromellitic acid by

staged bromine addition in an oxidation of polyalkylaromatics

DATE-ISSUED: July 5, 1988

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Schammel; Wayne P.

Naperville

IL

Darin, deceased; John K.

late of Naperville

IL

US-CL-CURRENT: <u>562/413</u>; <u>562/414</u>, <u>562/416</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
											-	

Document ID: US 46/5438 A

L10: Entry 22 of 22

File: USPT

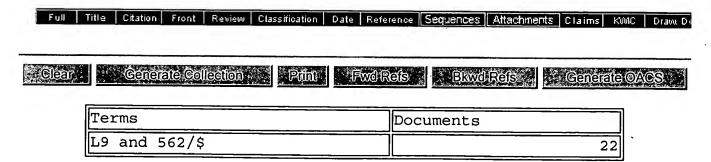
Jun 23, 1987

US-PAT-NO: 4675438

DOCUMENT-IDENTIFIER: US 4675438 A

\*\* See image for Certificate of Correction \*\*

TITLE: Direct continuous flow integration of production and purification of high purity iso- or terephthalic acid



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